SONY®

VIDEOCASSETTE RECORDER Betamax

SLO-340

READY-REFERENCE CARDS

These ready-reference cards supplement the operating instructions with connections and illustrated step-by-step procedures for everyday use of the SLO-340.
For details on overall system connections, use of auxiliary controls, and additional functions, refer to the operating instructions.

Prior to use
Power sources
Recording live (with DXC-1610 camera)
Recording TV programs
Playback on a video monitor
Playback on a TV receiver
Dubbing audio
Timer recording
Operational check list

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DO NOT REMOVE
FROM AREA

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PRIOR TO USE

IMPORTANT REMINDERS

- To operate the system using these cards:

(a) Make preparatory settings shown at ● in operating procedures.
(b) Operate the SLO-340 and connected equipment by following the numbers circled in red ●.

- Always press the STOP button:

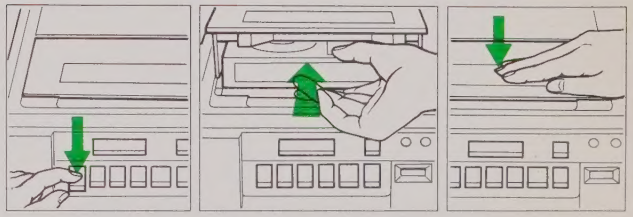
(a) to stop record, playback, rewind or fast forward modes.
(b) before changing functions.

- Before making a recording, check that the safety tab (see page 9 of the operating instructions) at the bottom of the cassette has not been removed.
- Since the full width of tape is used for recording picture and sound, the tape cannot be used in the reverse direction.
- To advance the tape rapidly, press the F FWD [▶▶] button.
- After recording, rewind the tape for later viewing.
- To view the picture on a TV receiver, turn the channel selector on the TV to the operating channel of the RF Unit (channel 3 or channel 4) and carefully adjust fine tuning. When the machine is used with a monitor connected to the CAMERA/TV connector or VIDEO OUT and LINE OUT connectors, the channel selector need not be set.
- After use, turn off the power.
- For playback on a TV receiver, set the ANT/VTR switch on the antenna selector to VTR. When the SLO-340 is not in use, the TV set may be operated in the usual manner by setting the antenna selector to the ANT position and connecting an external antenna to the antenna selector.

TO INSTALL CASSETTE

Make sure that battery or ac power is supplied to the recorder.

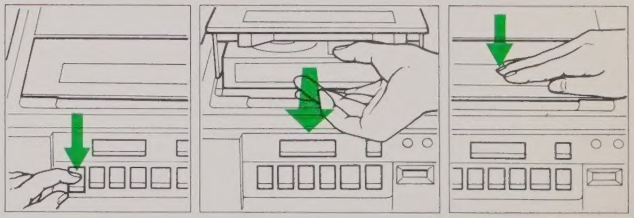
❶ Press EJECT ⏏. ❷ Insert cassette. ❸ Press down.



TO REMOVE CASSETTE

Make sure that the recorder is in the STOP mode.

❶ Press EJECT ⏏. ❷ Remove cassette. ❸ Press down.

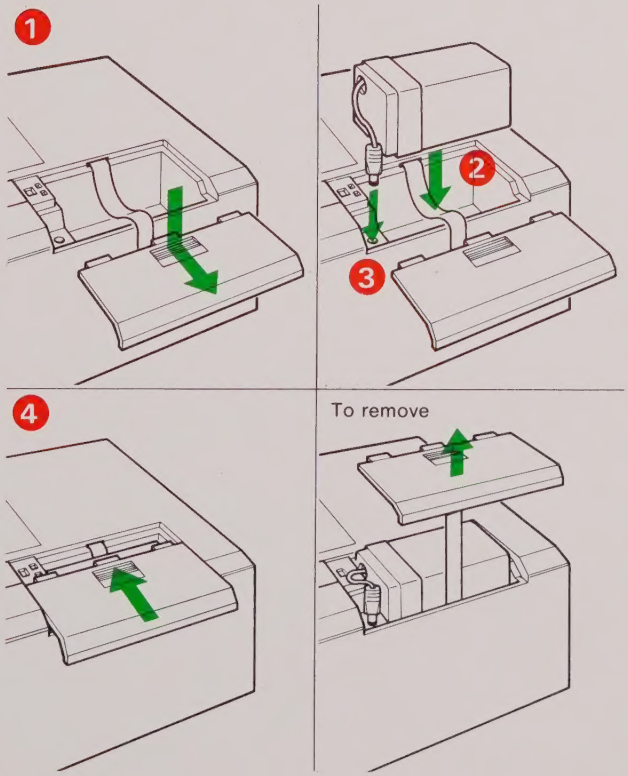


POWER SOURCES

The SLO-340 operates from the BP-60 rechargeable battery pack (optional), a DCC-3000 car battery adaptor (optional), or ac power using the AC-340 ac power adaptor (supplied), which also permits battery charging.

BATTERY PACK

❶ Open the battery compartment cover by pushing and sliding the latch in the direction of the arrow.
❷ Install the battery pack on the ribbon, which may aid in replacing a battery.
❸ Plug the cord from the battery pack into the jack inside the battery compartment.
❹ Slide in the compartment cover until a click is heard.



Battery life

At normal temperature, a fully-charged battery provides 40 minutes of continuous operation of both the recorder and the Sony DXC-1610 color camera, or 80 minutes of continuous operation of the recorder if the camera is not connected. The pointer of the BATTERY meter indicates battery condition when the recorder is turned on. A white-scale reading indicates that the battery is in good condition; a red-scale reading indicates that the battery is discharged.

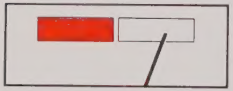
DO NOT PERMIT THE BATTERY TO REMAIN DISCHARGED!

If the pointer of the BATTERY meter reads on the red scale, recharge the battery at once. Also, after every use, recharge it as soon as possible. Refer to page 12 of the operating instructions for the charging procedure.

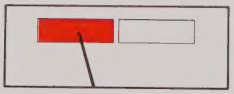
When the battery discharges below the normal operating voltage during record or playback, power to the recorder will be switched off automatically.

If the recorder is set in the record or playback mode using a battery having a low terminal voltage, it will not operate.

Good battery condition



Battery is discharged



Notes

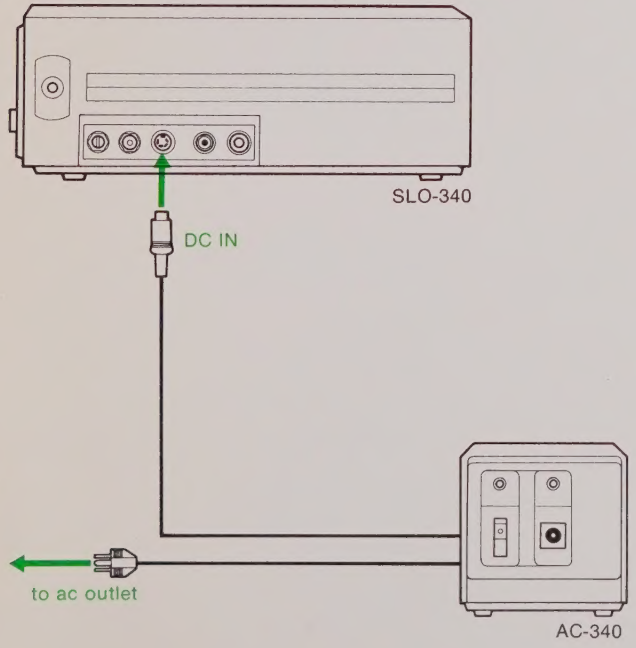
- The operation time at low temperature will be shortened, and at 0°C it will become about half of that at normal temperature.
- When the battery is exhausted, the operation time will become shortened. If the operation time on the fully charged battery will be half of the initial one at normal temperature, replace the battery pack with new one.

AC POWER

❶ Connect the 3-pin plug of the AC power cord to a convenient ac outlet supplying 120 V ac, 60 Hz.

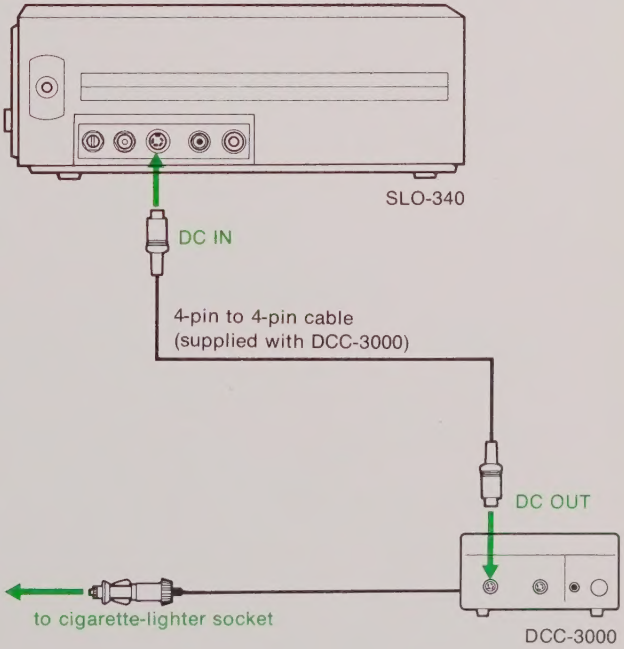
❷ Connect the DC cable from the AC-340 (4-pin DIN) to the DC IN receptacle on the recorder.

❸ Turn on the POWER switch on the AC-340. the green pilot lamp will light and power will be supplied to the recorder.



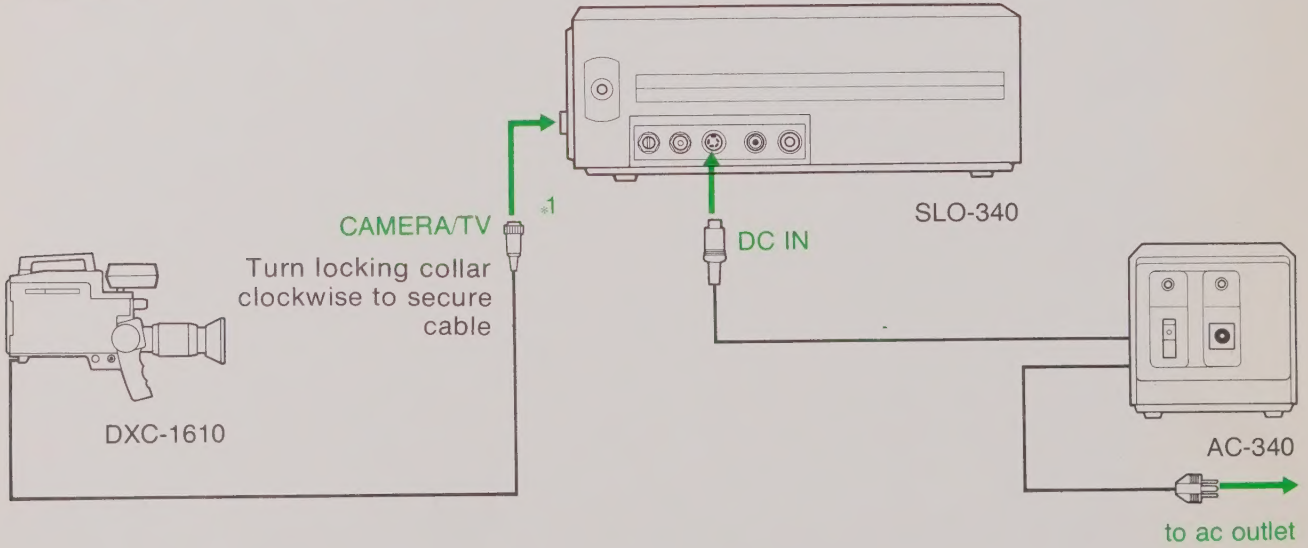
CAR BATTERY

The SLO-340 may operate from a car battery by means of a DCC-3000 car battery adaptor (optional).

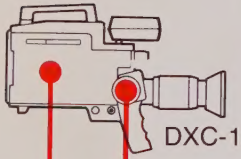


RECORDING LIVE (with DXC-1610 CAMERA)

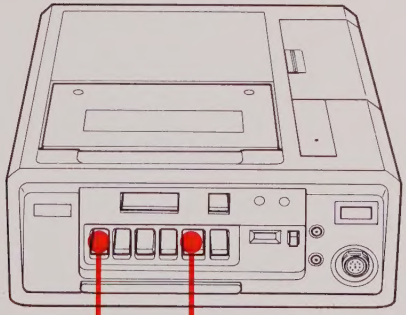
CONNECTIONS



*1 The distance between the camera and the recorder can be extended up to 12 meters (40 feet) with the use of a CCJ-10 camera extension cable (optional).

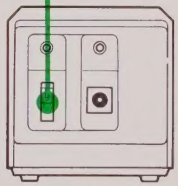


DXC-1610



SLO-340

Turn on (Not necessary for battery operation)



AC-340

4 To start recording, turn Start ring downward

5 To stop recording, turn Start ring downward again (Recorder will revert to standby mode)

3 Make necessary adjustments

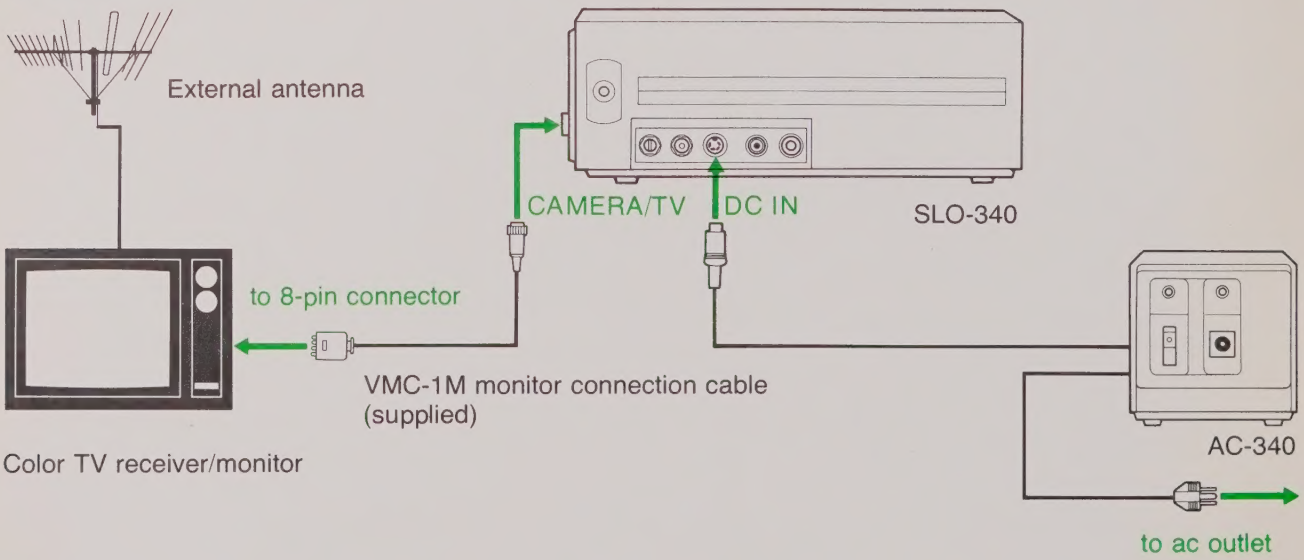
2 Press REC to set the recorder in the standby mode for recording

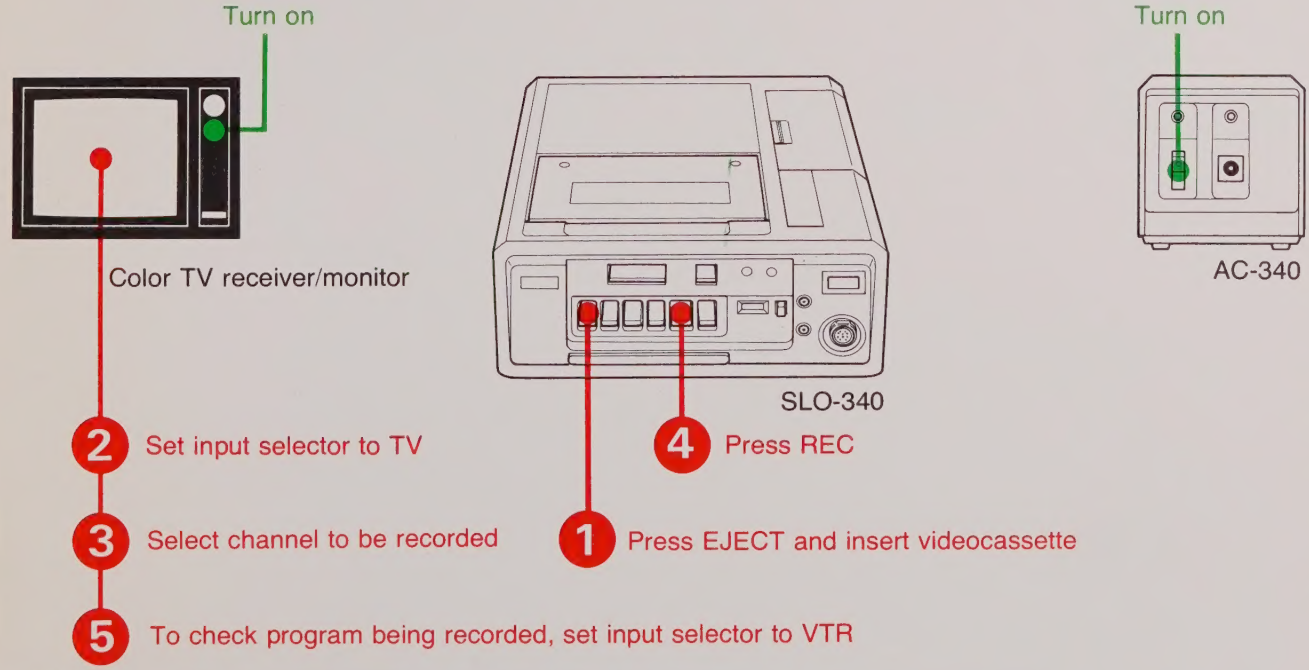
1 Press EJECT and insert videocassette

- Color cameras must conform to American TV (EIA) standards and have its own internal sync source that provides 2 : 1 interlace signals.
- When the camera is powered by its own battery pack, turn on the battery adaptor POWER switch, complete all camera adjustments and set the recorder to the standby mode.
- To monitor the sound, plug the earphone (supplied) into the EARPHONE jack on the recorder. Sound picked up by the microphone built into the camera will be recorded simultaneously with the picture (if a microphone is not connected to the MIC jack on the recorder)
- Should the tape run out while recording, the recorder will shut off automatically.
- For details regarding operation and adjustment of the DXC-1610, or any other camera used with the SLO-340, refer to the instruction manual supplied with it.
- Power is consumed while the PAUSE button is pressed to stop the tape momentarily during camera-record operation (with camera other than the DXC-1610). For extended pause, particularly when operating the machine on dc, press the STOP button (no power is consumed).

RECORDING TV PROGRAMS

CONNECTIONS



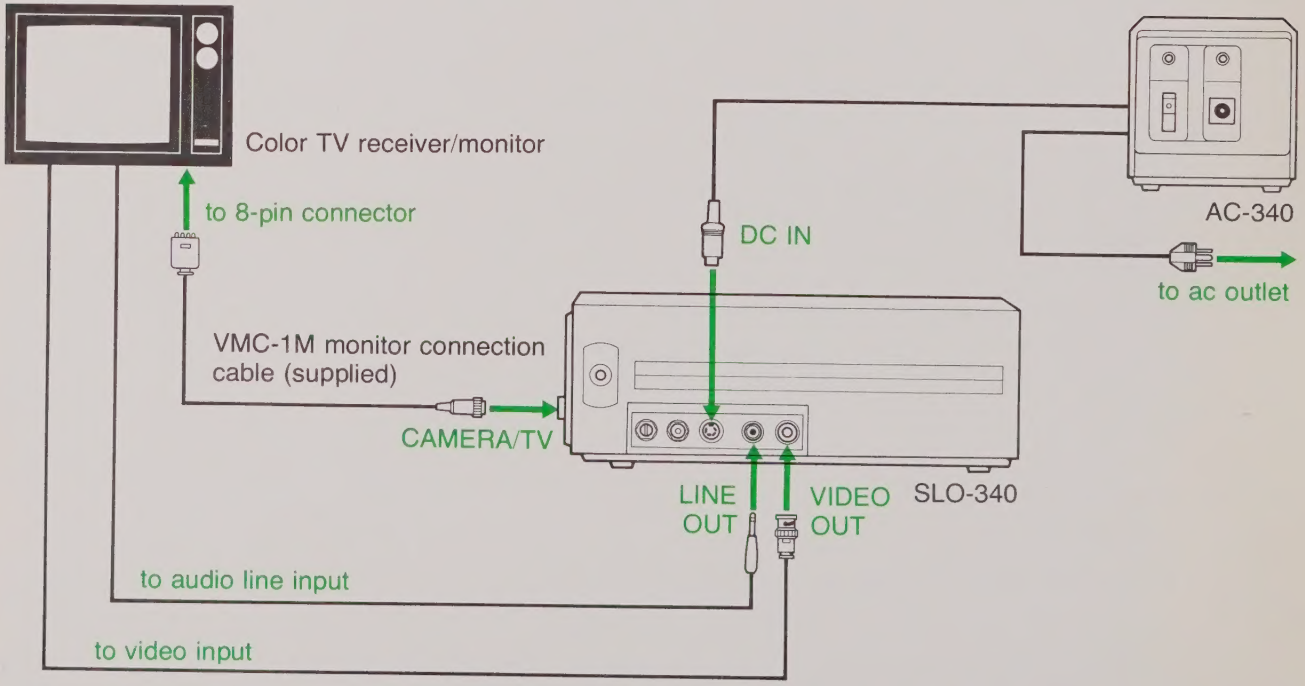

Turn on
Color TV receiver/monitor
SLO-340
Turn on
AC-340
2 Set input selector to TV
3 Select channel to be recorded
5 To check program being recorded, set input selector to VTR
4 Press REC
1 Press EJECT and insert videocassette

Caution

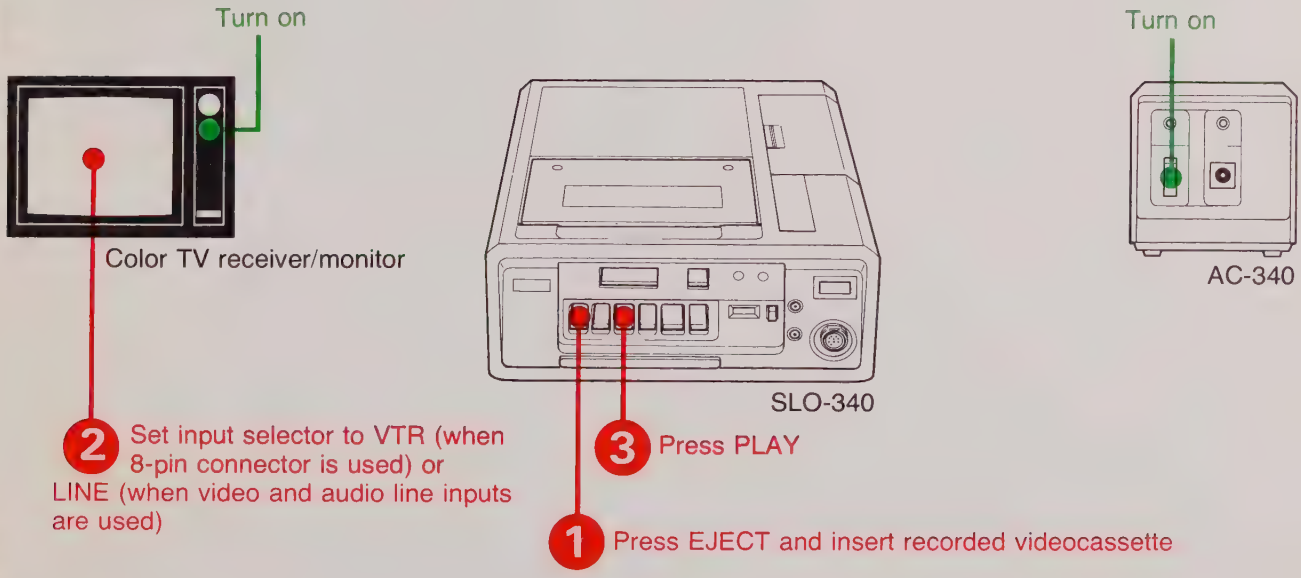
Television programs, films, video tapes and other materials may be copyrighted. Unauthorized recording of such material may be contrary to the provisions of the copyright laws.

PLAYBACK ON A VIDEO MONITOR

CONNECTIONS



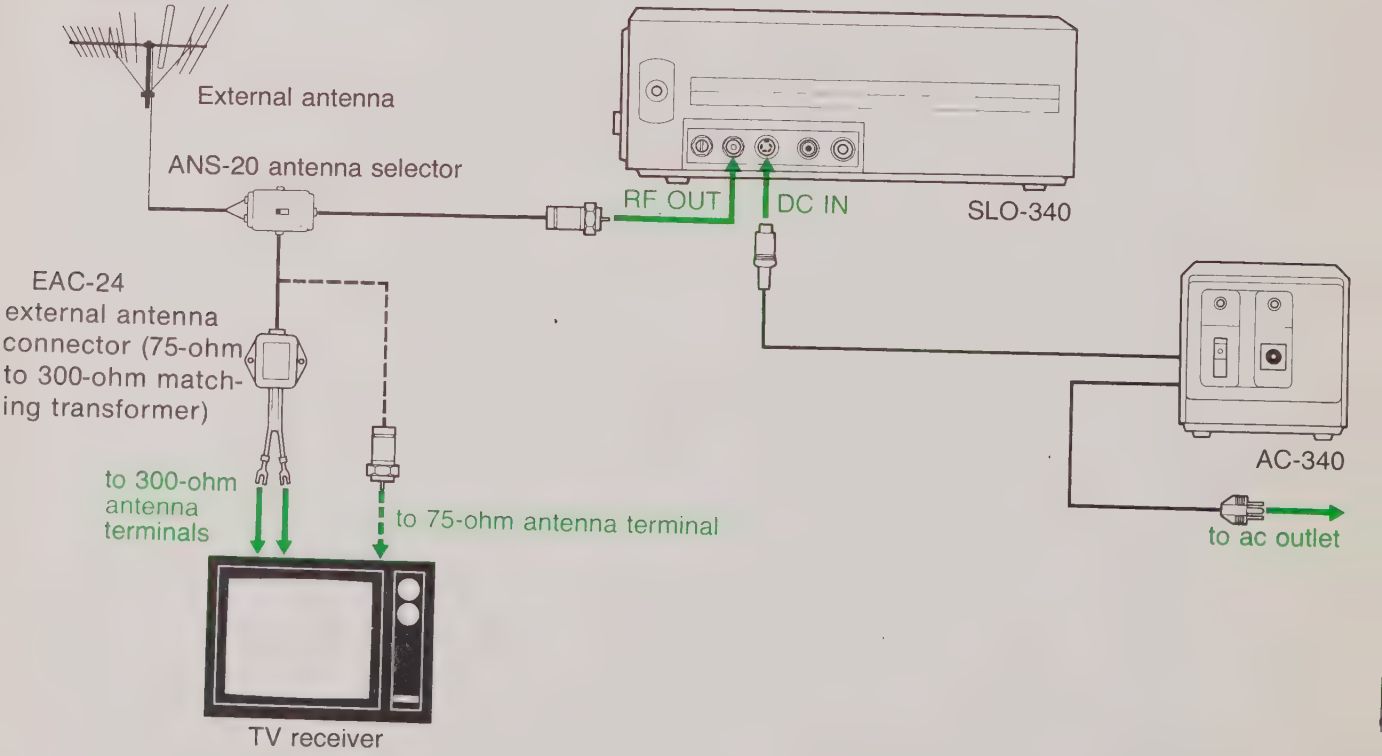
• If the monitor is not equipped with an 8-pin connector, connect the VIDEO OUT and LINE OUT connectors on the recorder to the video and audio input connectors on the monitor with 75-ohm and shielded cables, respectively.


Turn on
Color TV receiver/monitor
Turn on
AC-340
SLO-340
2 Set input selector to VTR (when 8-pin connector is used) or LINE (when video and audio line inputs are used)
3 Press PLAY
1 Press EJECT and insert recorded videocassette

• When the DXC-1610 is connected to the recorder with the CCJ cable, the playback picture may be viewed on the viewfinder screen. To monitor the sound, plug the earphone (supplied) into the EARPHONE jack on the recorder.

PLAYBACK ON A TV RECEIVER

CONNECTIONS



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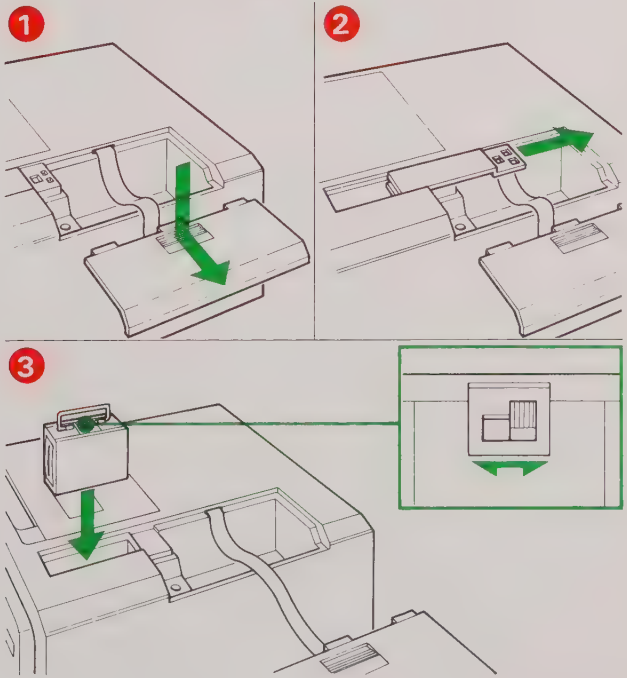
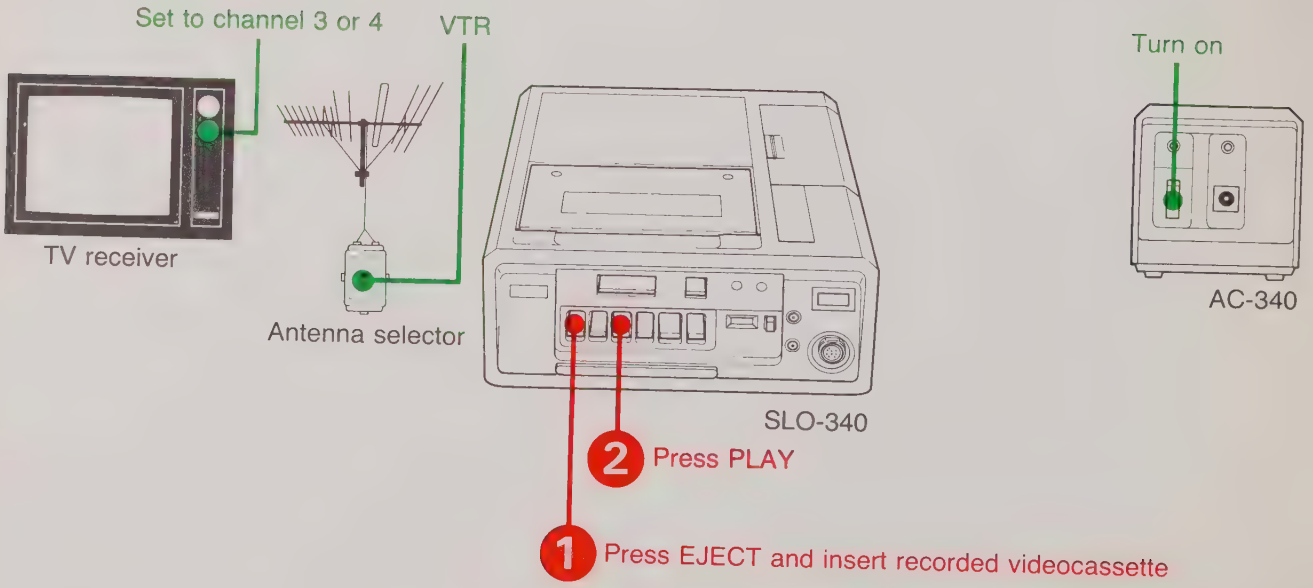
onnection between the SLO-340 RF OUT connector and the ntenna terminals of a TV receiver should be made only as shown n these instructions. Failure to do so may result in operation that violates the regulations of the Federal Communications Commission regarding the use and operation of rf devices. Never connect the output of the SLO-340 to an antenna or make simultaneous (parallel) antenna and SLO-340 connections at the antenna terminals of your receiver.

RF unit installation

The output signal of the recorder is converted to a TV (rf) signal by the RFU-534 RF unit supplied. Install the RF unit into the recorder and set the switch on the unit to channel 3 or 4, whichever is not in use in your area.



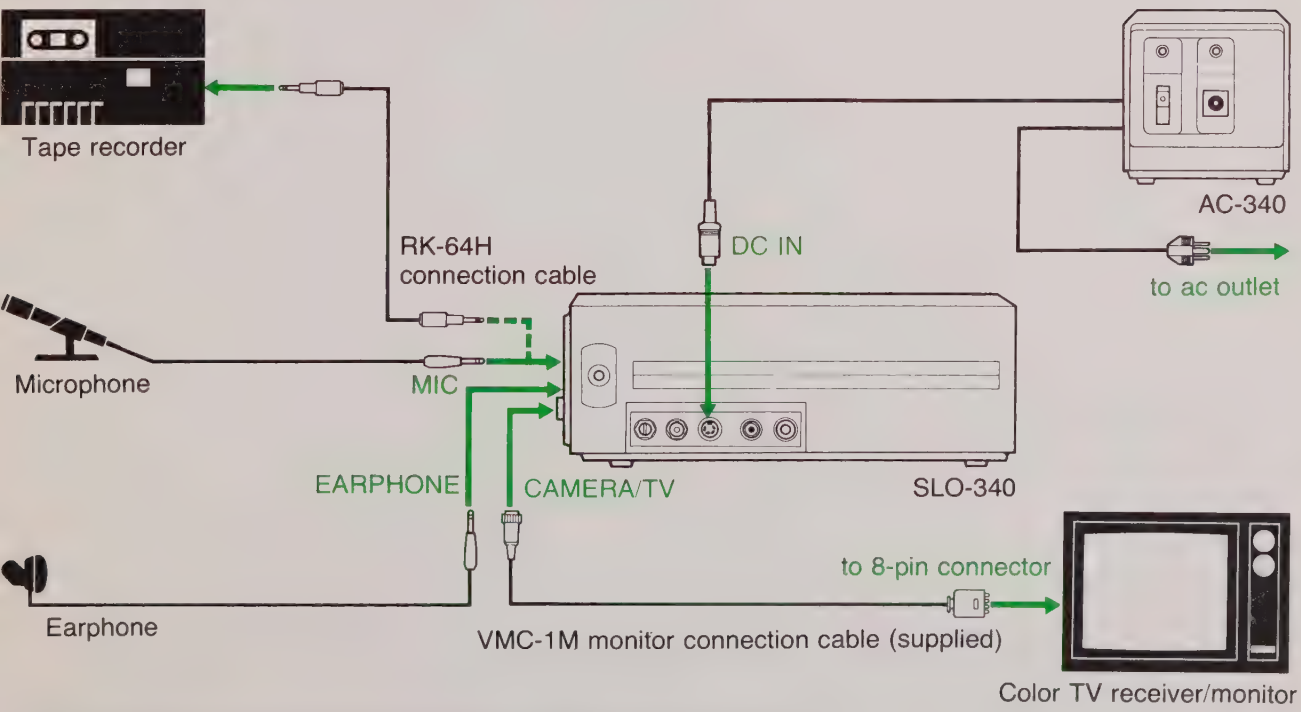


- For normal TV viewing, it is not necessary to turn on the AC-340. Set the ANT/VTR switch on the Antenna Selector to ANT.
- If the TV receiver features a VIR (vertical-interval-reference) signal automatic color control system, be sure to deactivate the system and adjust color manually. Otherwise, oversaturation may appear in the color playback picture.

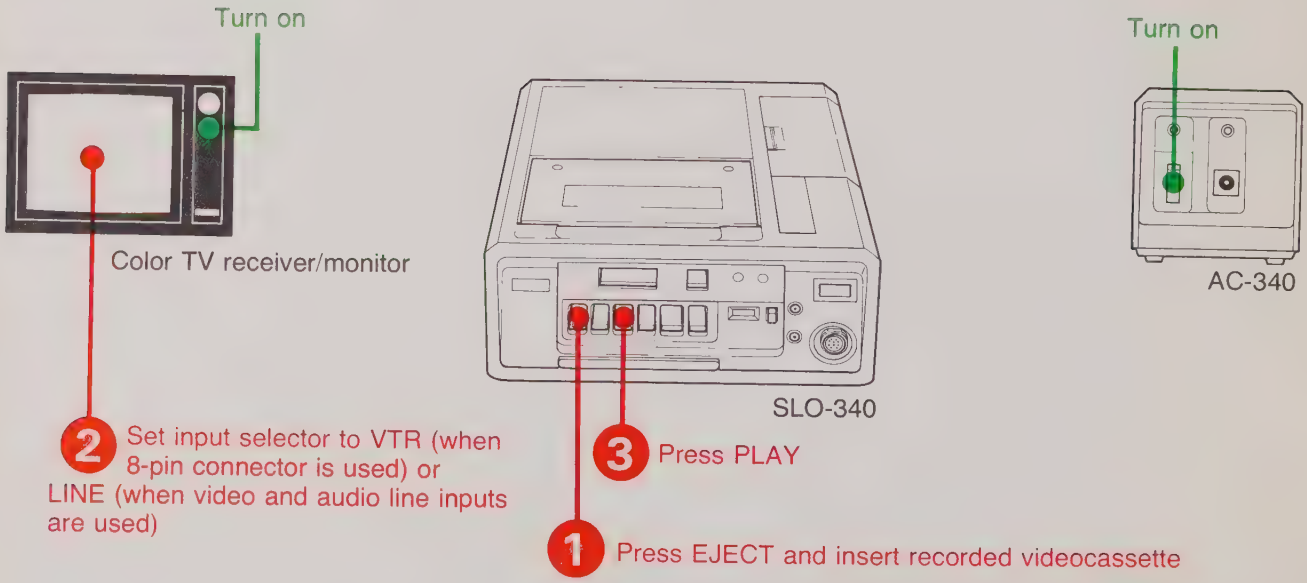
DUBBING AUDIO

New audio may be recorded onto a tape that has previously-recorded video material.

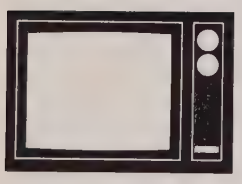
CONNECTIONS

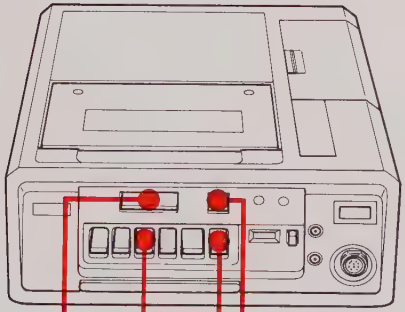


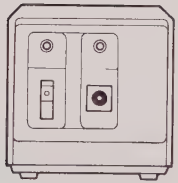
- TV volume should be turned down to prevent acoustic feedback (whistle-like sounds).


Turn on
Color TV receiver/monitor
Turn on
AC-340
SLO-340
2 Set input selector to VTR (when 8-pin connector is used) or LINE (when video and audio line inputs are used)
3 Press PLAY
1 Press EJECT and insert recorded videocassette

- To monitor the sound, plug the earphone into the EARPHONE jack on the recorder.
- When dubbing from the beginning of the tape, press the PLAY and AUDIO DUB buttons simultaneously.







Press STOP when dubbing is completed **7**

4 Press PAUSE when the desired portion for dubbing audio is reached

6 Press PAUSE again

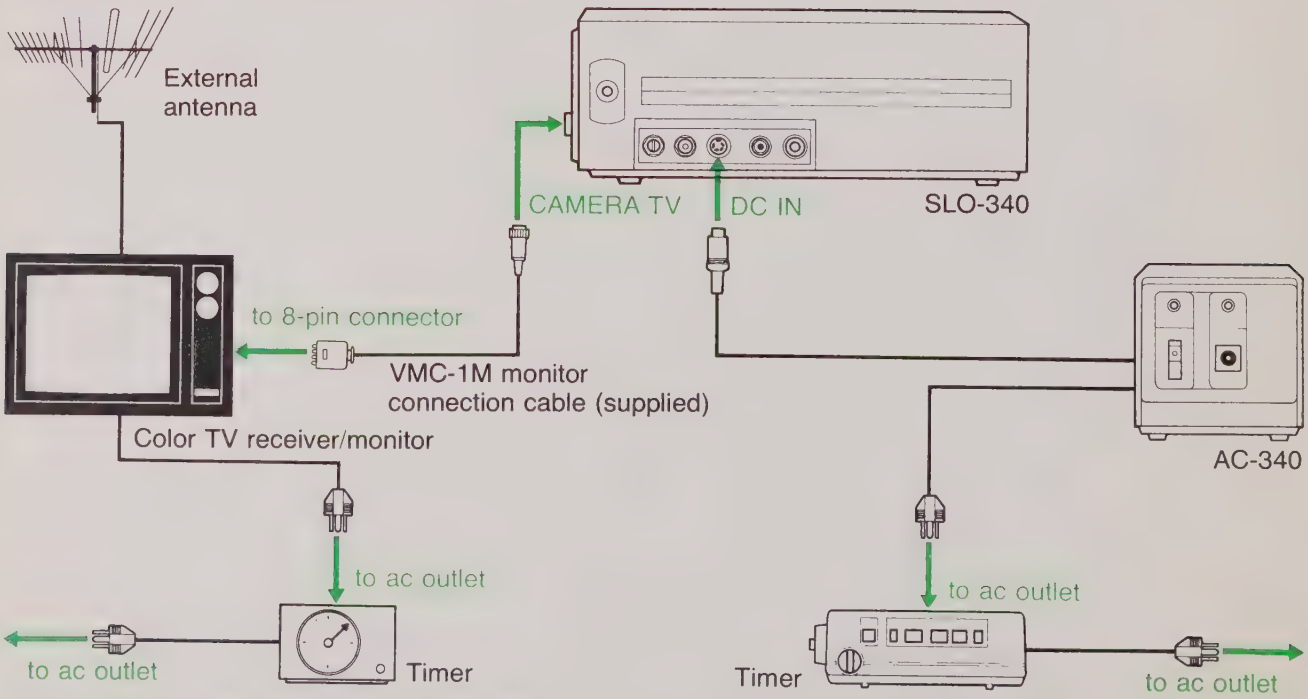
5 Holding down PLAY, press AUDIO DUB

- If desired, dubbing can be started without using the PAUSE button.
While depressing the PLAY button, press the AUDIO DUB button at the desired portion for dubbing audio.

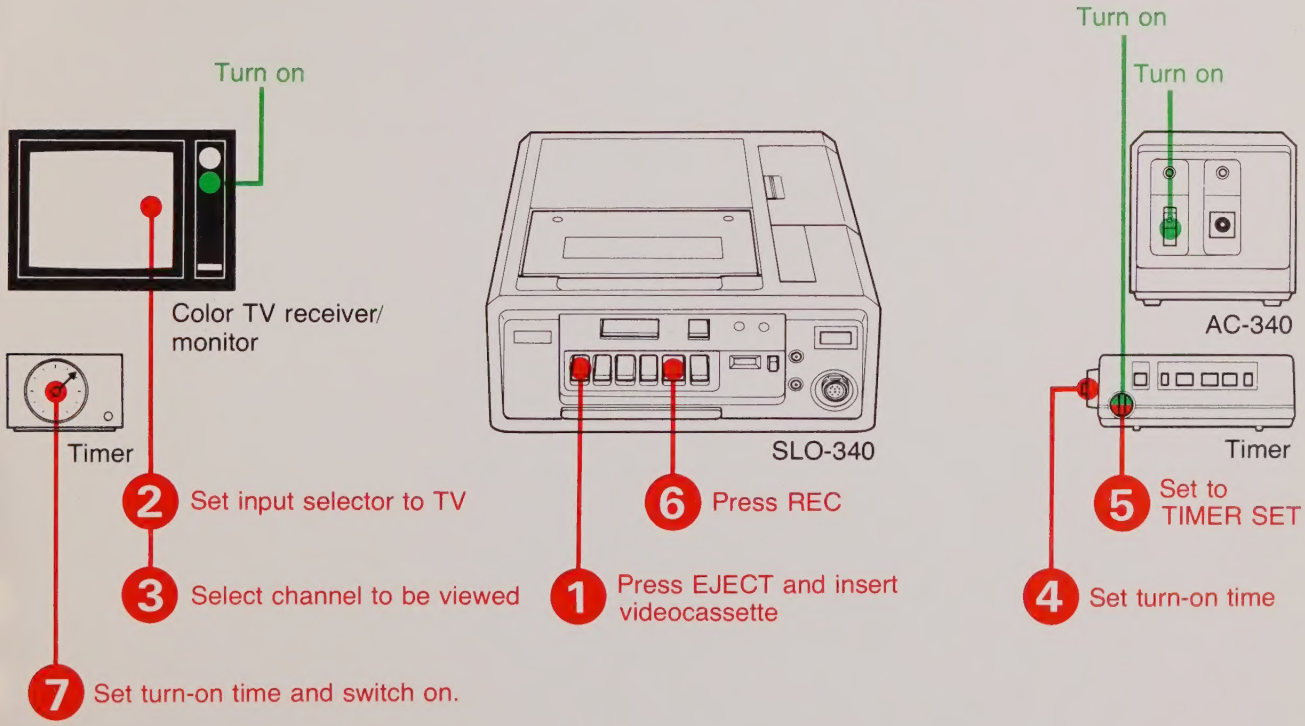
TIMER RECORDING

With the use of a timer, recordings may be made while the recorder is unattended.

CONNECTIONS



- Do not exceed the power ratings of the timer receptacles. The optional Sony DT-32 (for USA) or DT-30 (for Canada) Digital Timer may be used for the recorder, but not for the TV. It is recommended to use a separate timer of sufficient power capacity for the TV.
- For timer recording, disconnect or remove the battery pack from the recorder. Otherwise, recording will begin immediately after the REC button is depressed.
- For details on the timer, refer to the instruction manual supplied with it.



• Timer playback is also possible by setting the input selector to VTR (Step ❷) above and pressing the PLAY button (Step ❻).

OPERATIONAL CHECK LIST

Many apparent malfunctions may be caused by a mis-set control that has been overlooked, or some other equally simple cause. Should any difficulty arise in operation, check through this list of symptoms and possible causes. Should the difficulty persist, unplug the set and contact the dealer from whom this unit was purchased, or a local Sony authorized service station.

Symptom	Possible cause
No record or playback	• Connections are not made correctly. • In TV recording, microphone is not disconnected. • Battery is discharged. • AC Power Adaptor is not plugged into a live outlet. • AC Power Adaptor is connected to a timer that is off. • Moisture has been detected on the head drum (check AUTO OFF lamp).
Snow or streaks in the playback picture	• If a TV receiver is being used for playback, check that the channel selector is set to the operating channel of the RF unit. • TV fine tuning is not set properly. • Tracking error (see "TRACKING ADJUSTMENT", page 9, in instruction booklet.) • Video-heads require cleaning. Consult your dealer or Sony service station.
REC button cannot be pressed.	• Safety tab has been removed from the cassette. • Cassette not loaded. • Battery is discharged.
PLAY button cannot be pressed.	• Cassette not loaded.
Rewind, forward or fast forward mode does not function.	• Tape is at either end of its travel. • Moisture has been detected on the head drum (check AUTO OFF lamp).

Symptom	Possible cause
No camera/microphone recording	• Connections are not made correctly. • Battery is discharged. • Recorder is not in the standby mode. • Tape is at either end of its travel. • AC Power Adaptor is not plugged into a live outlet. • Lens opening is excessively closed. • Recording lamp in the viewfinder does not light.
Acoustic feedback (whistle-like sounds) in microphone recording	• Microphone is too close to the TV. • TV volume is turned up too high.

Sony Corporation Printed in Japan

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